

FIG. 1

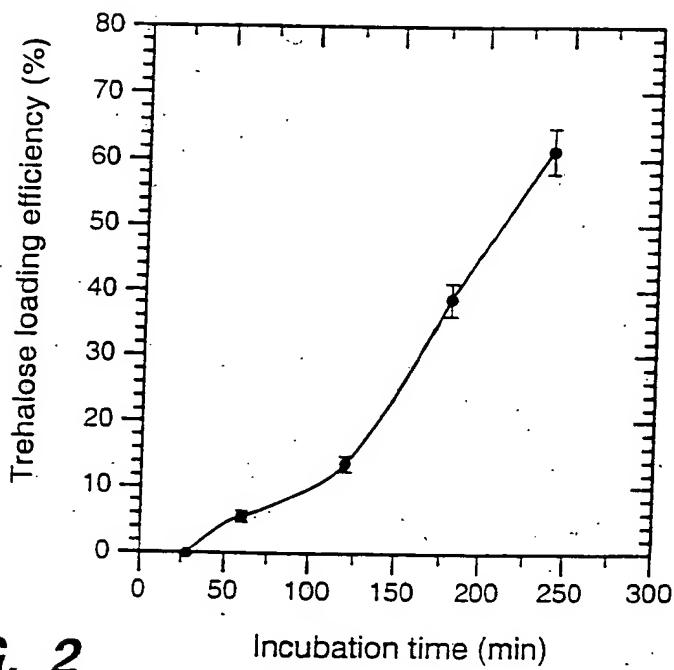


FIG. 2

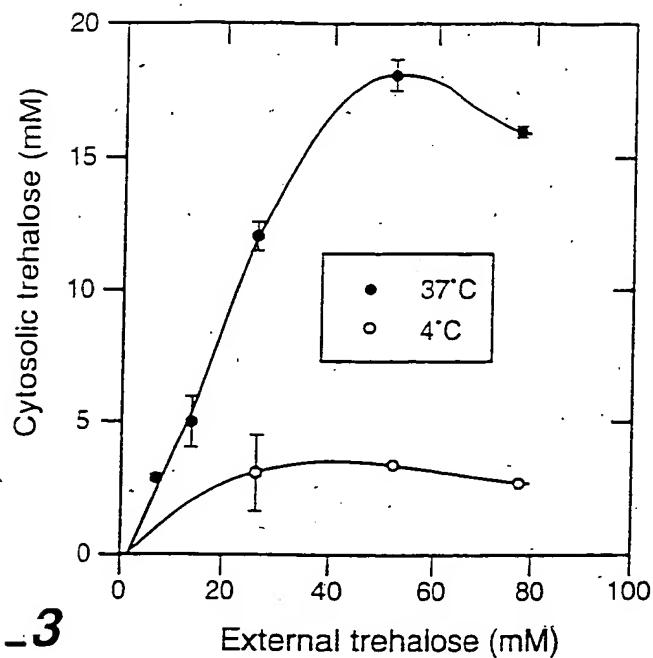


FIG.-3

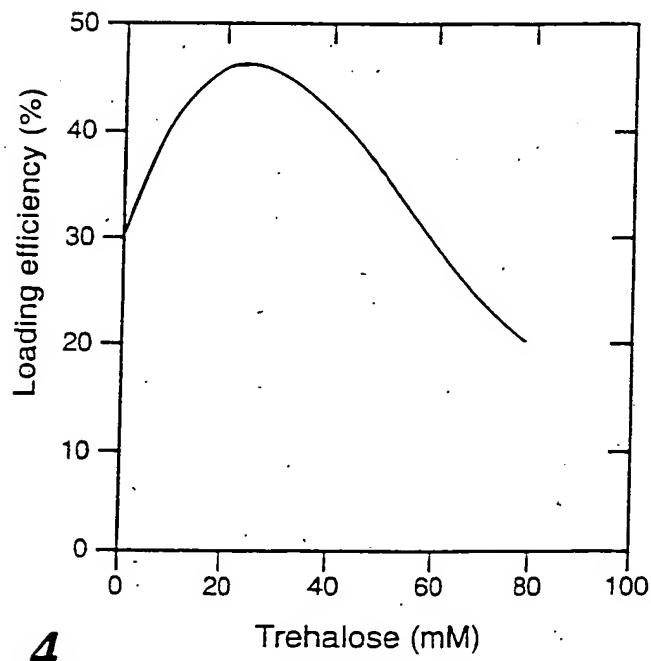


FIG.-4

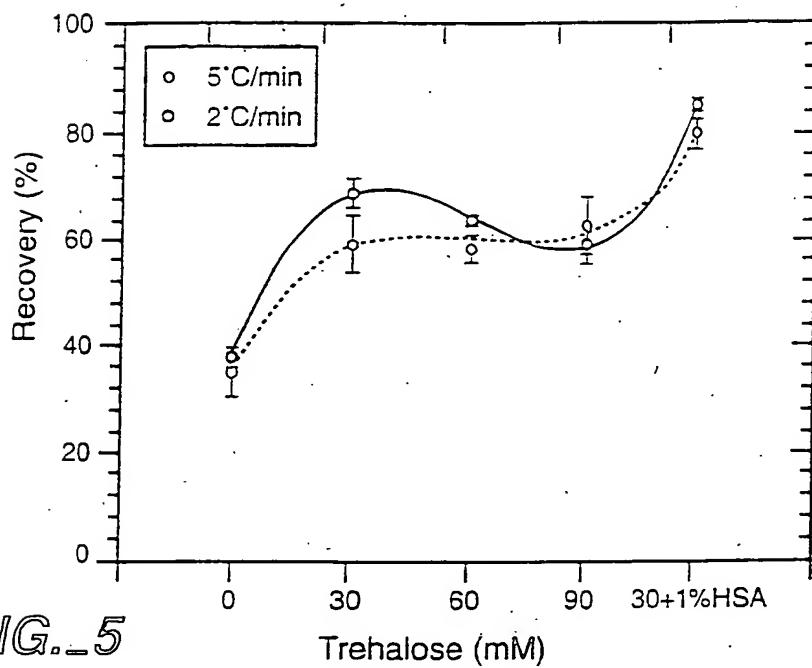


FIG. 5

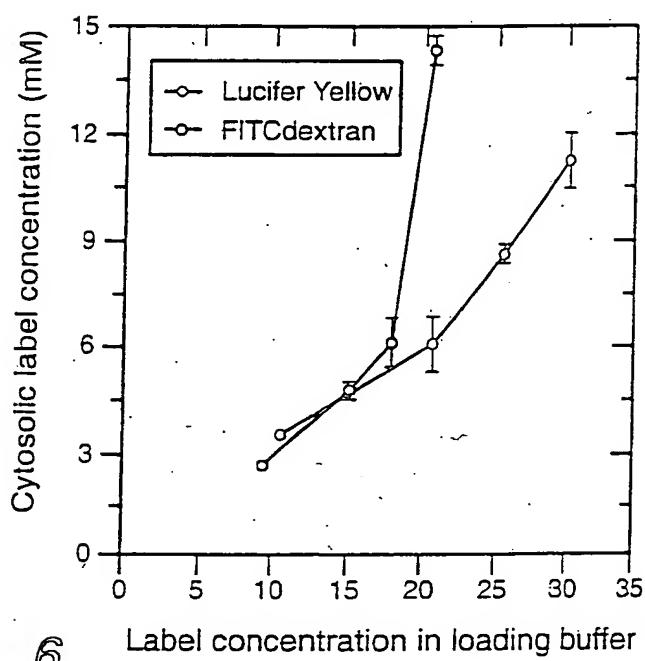


FIG. 6

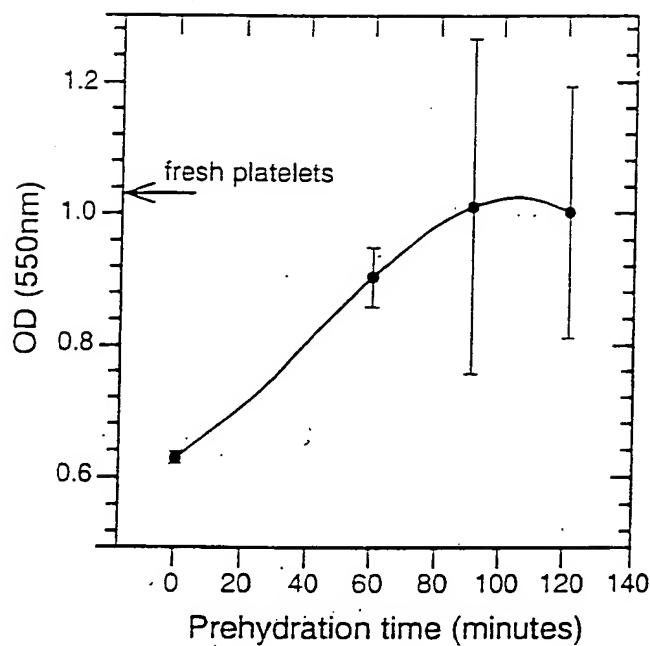


FIG. 7



FIG. 8A
(PRIOR ART)

FIG. 8B

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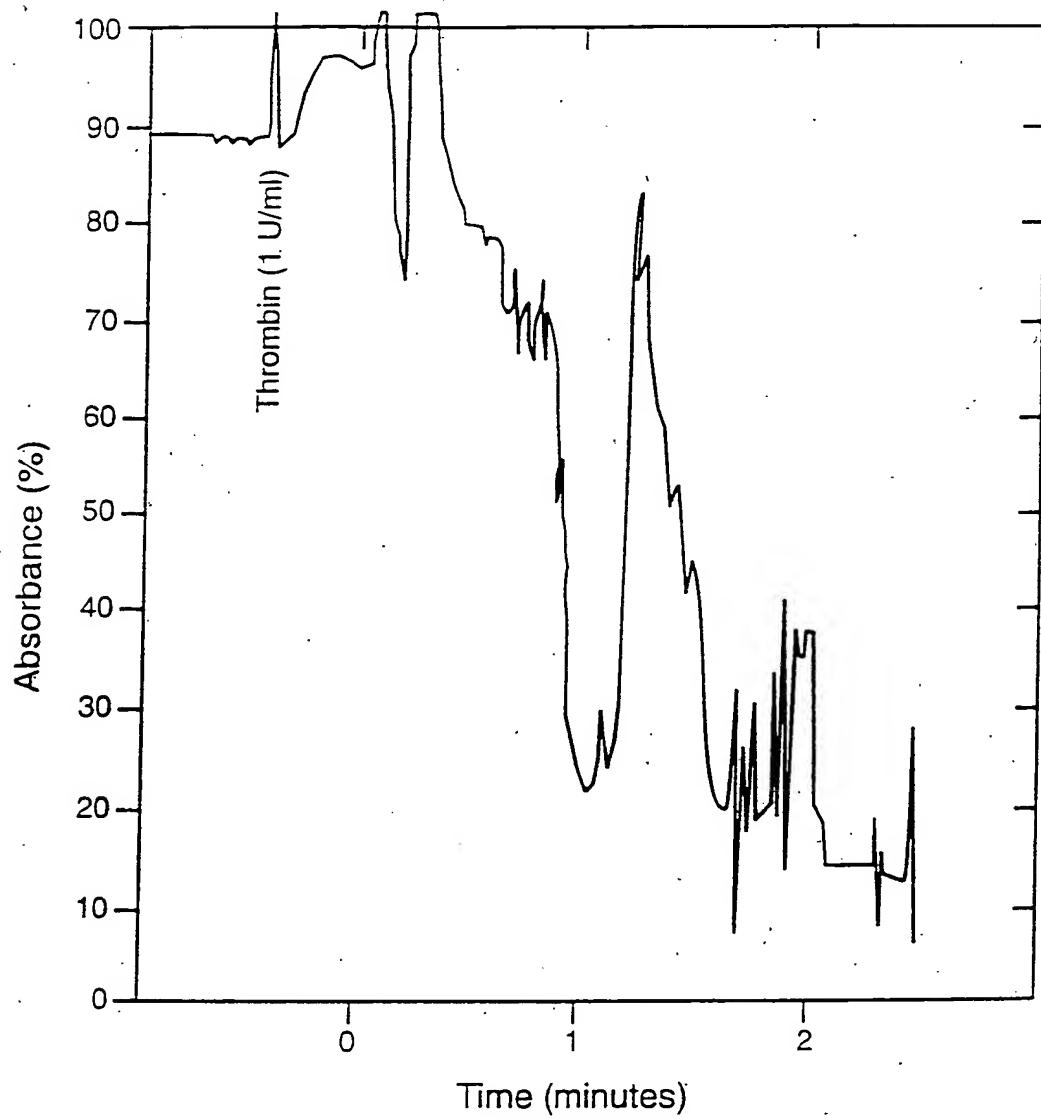


FIG. 9

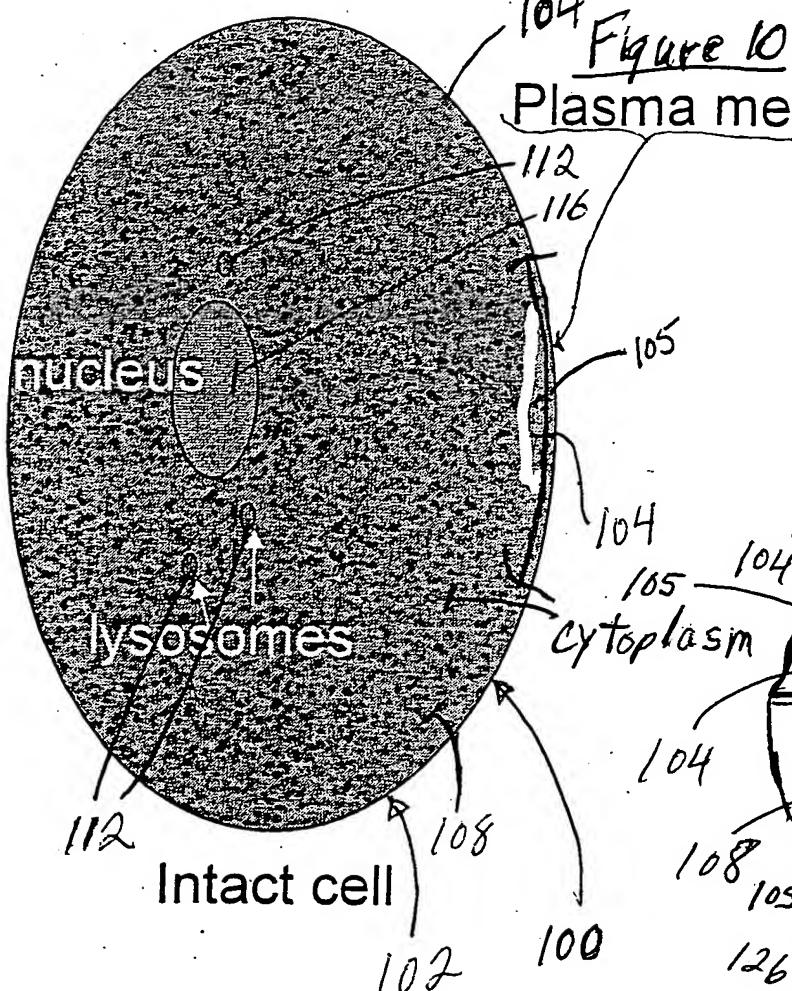


Figure 10

Plasma membrane

Figure 11

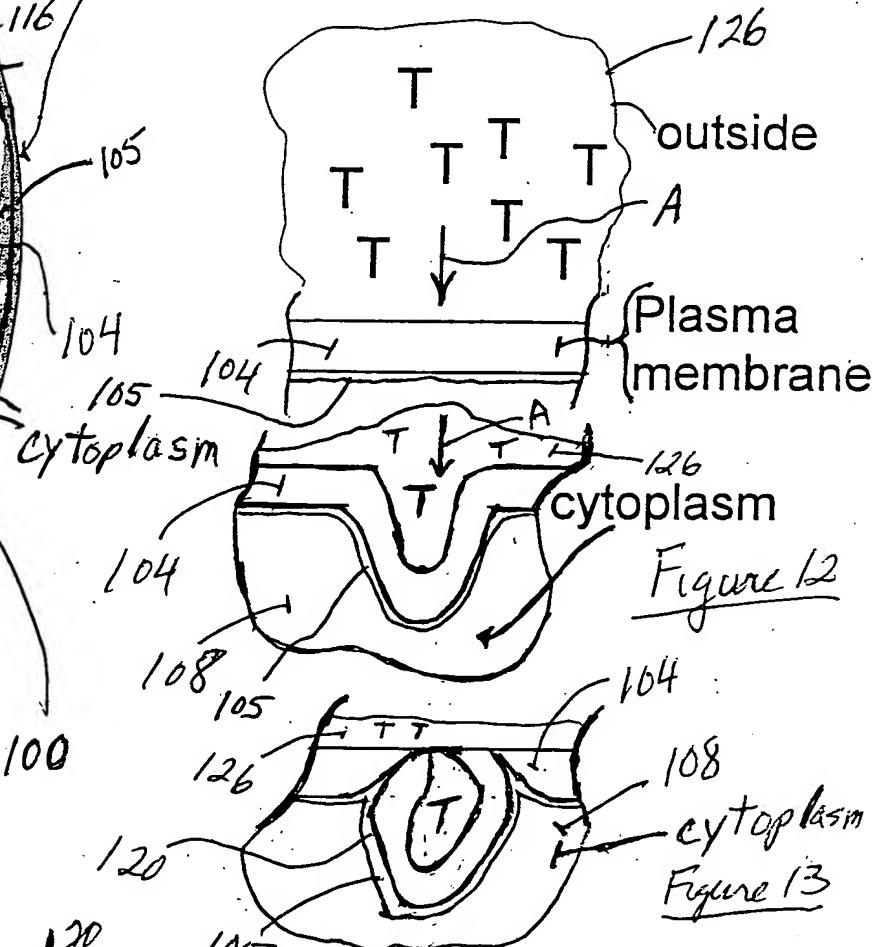
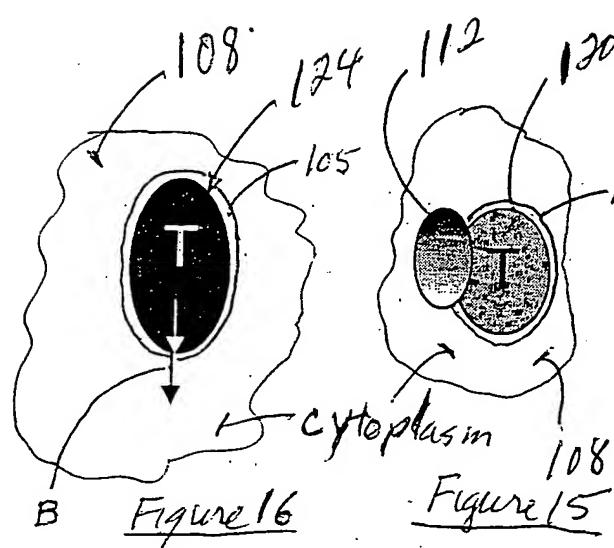


Figure 12

4



8

Figure 16

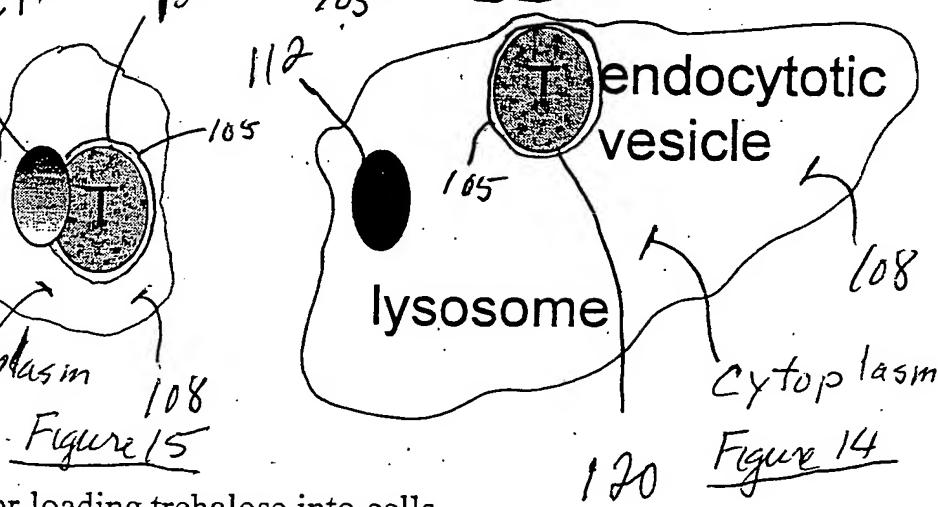


Figure 15

Figure 14

mechanism for loading trehalose into cells.

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Inventors: John H. Crowe et al.

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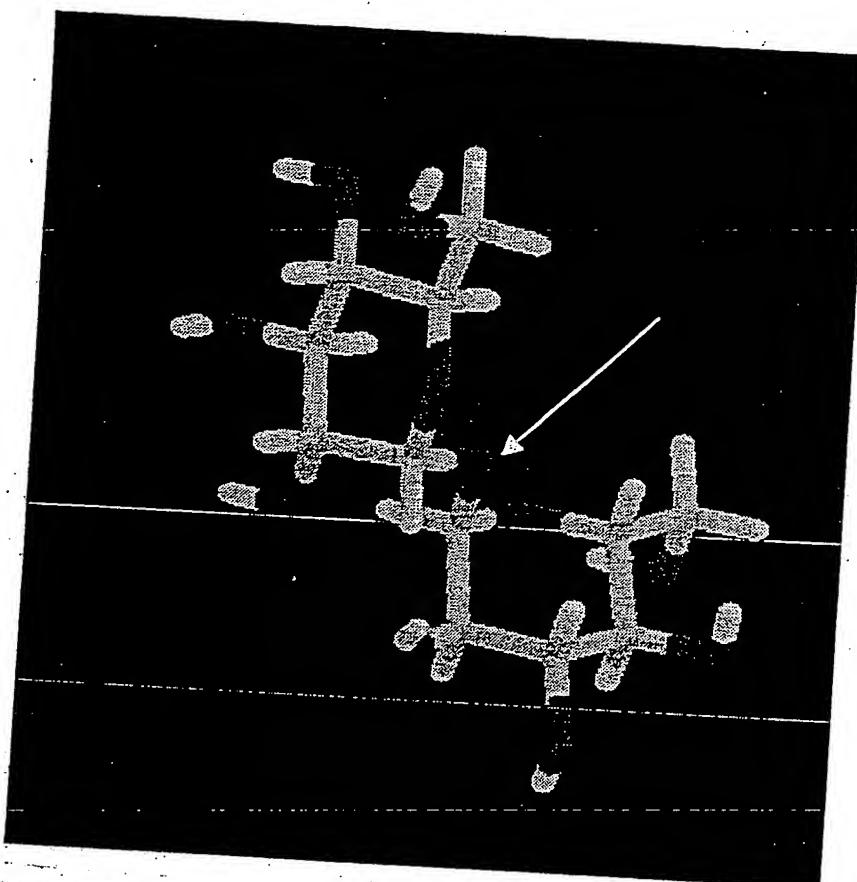


Fig 17

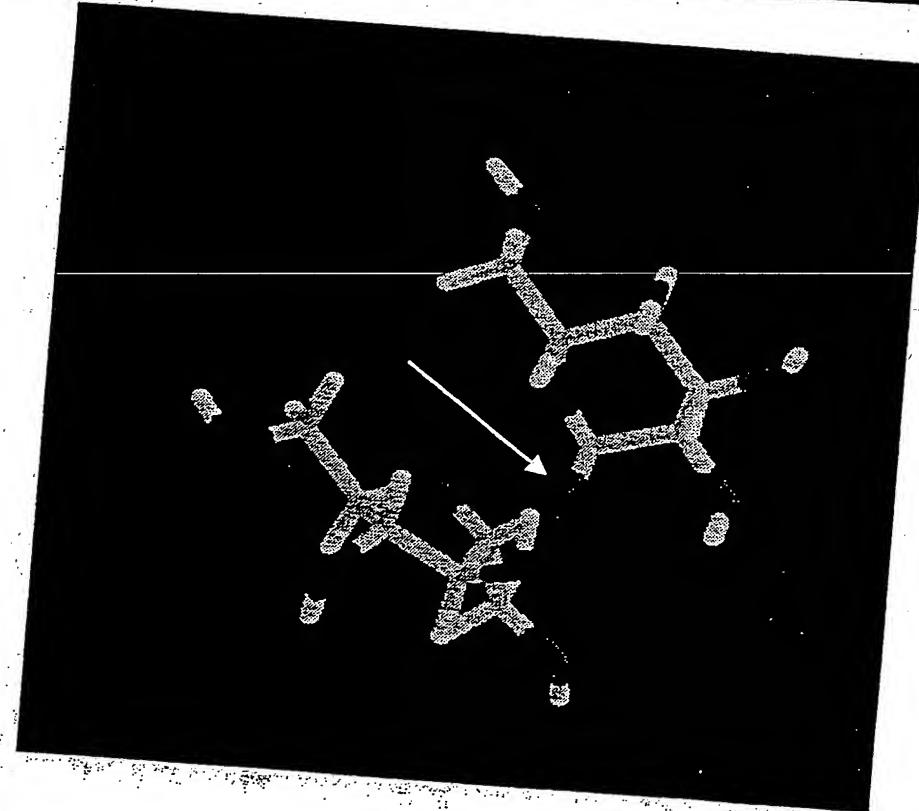


Figure 18

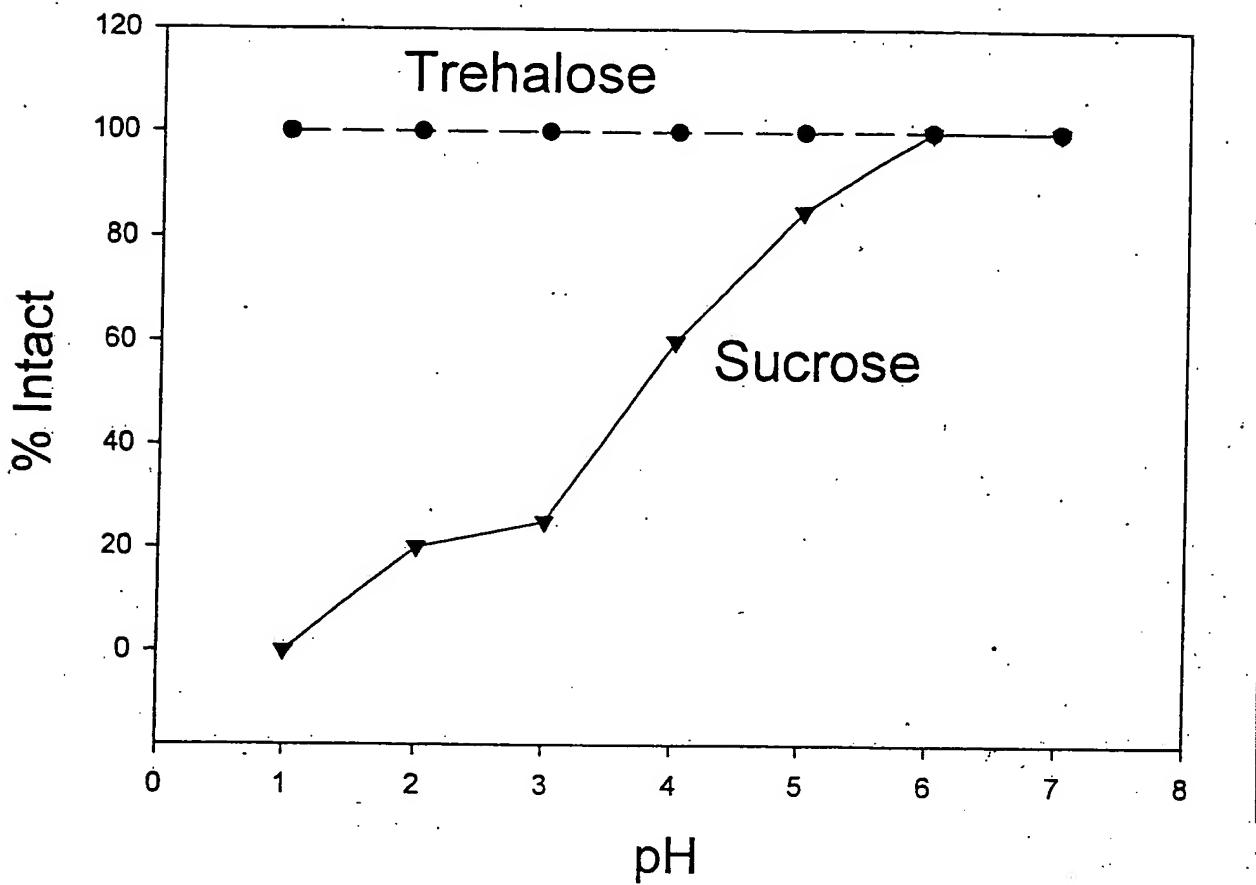


Figure 19

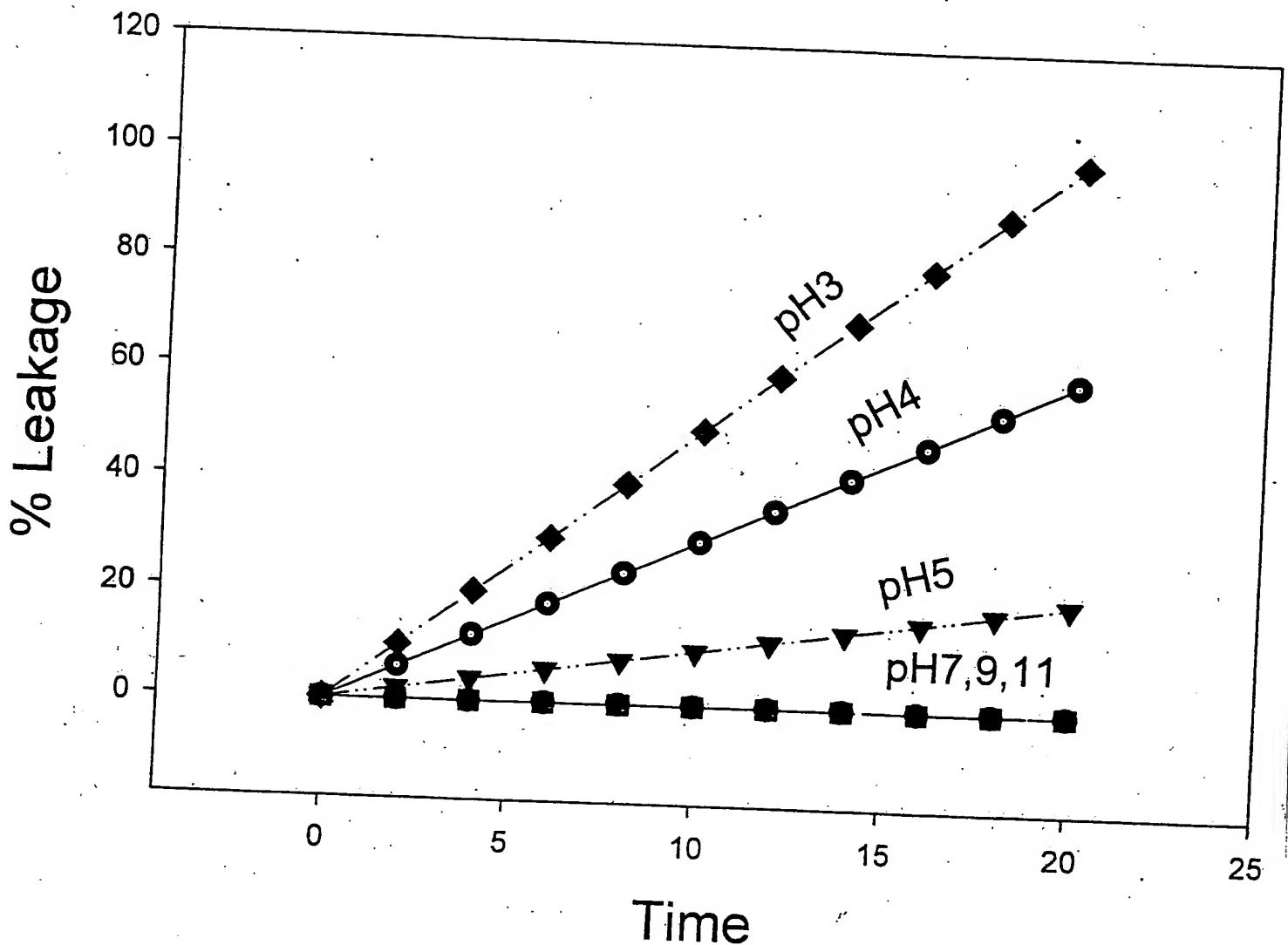


Figure 20

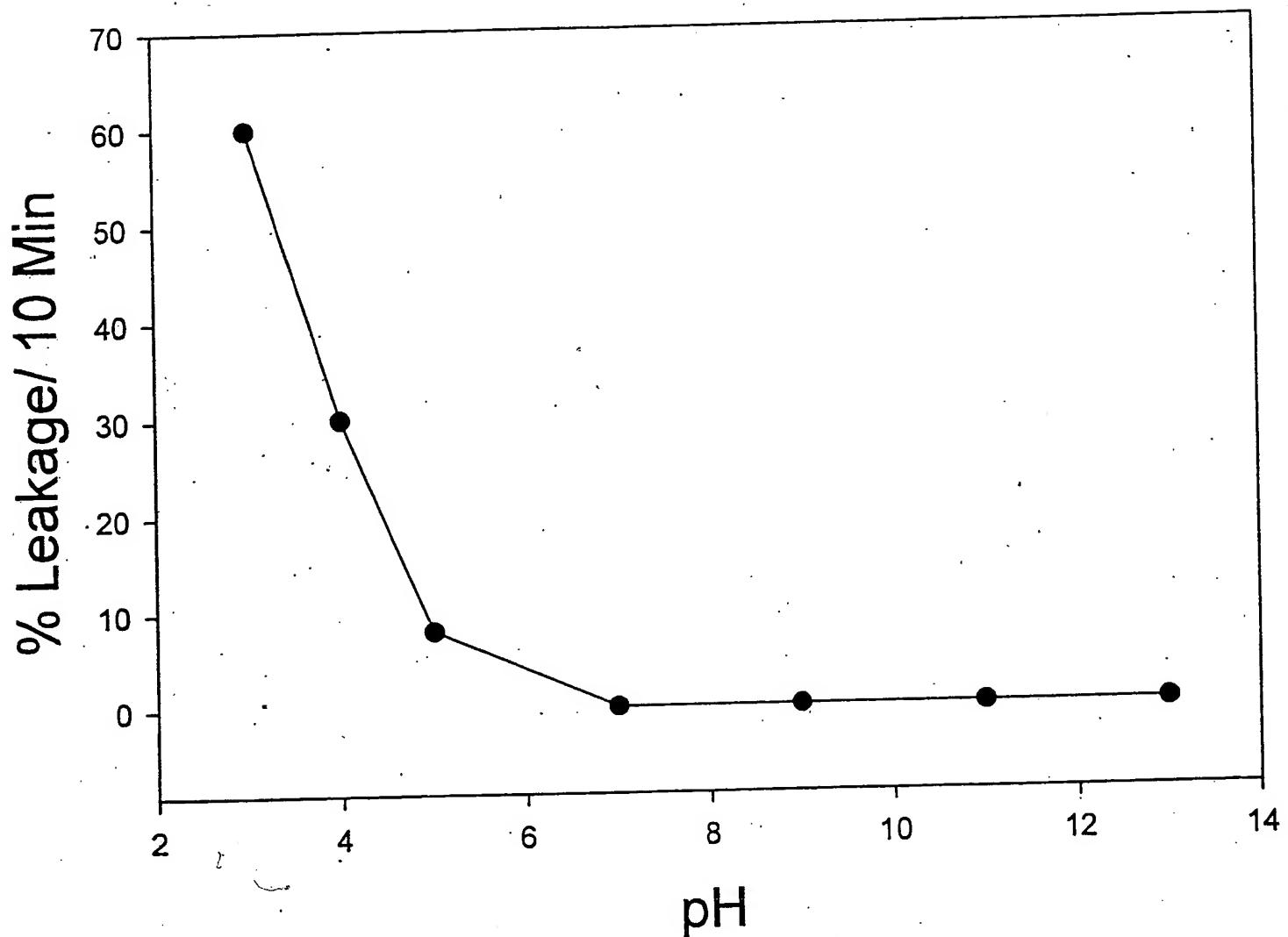


Figure 21

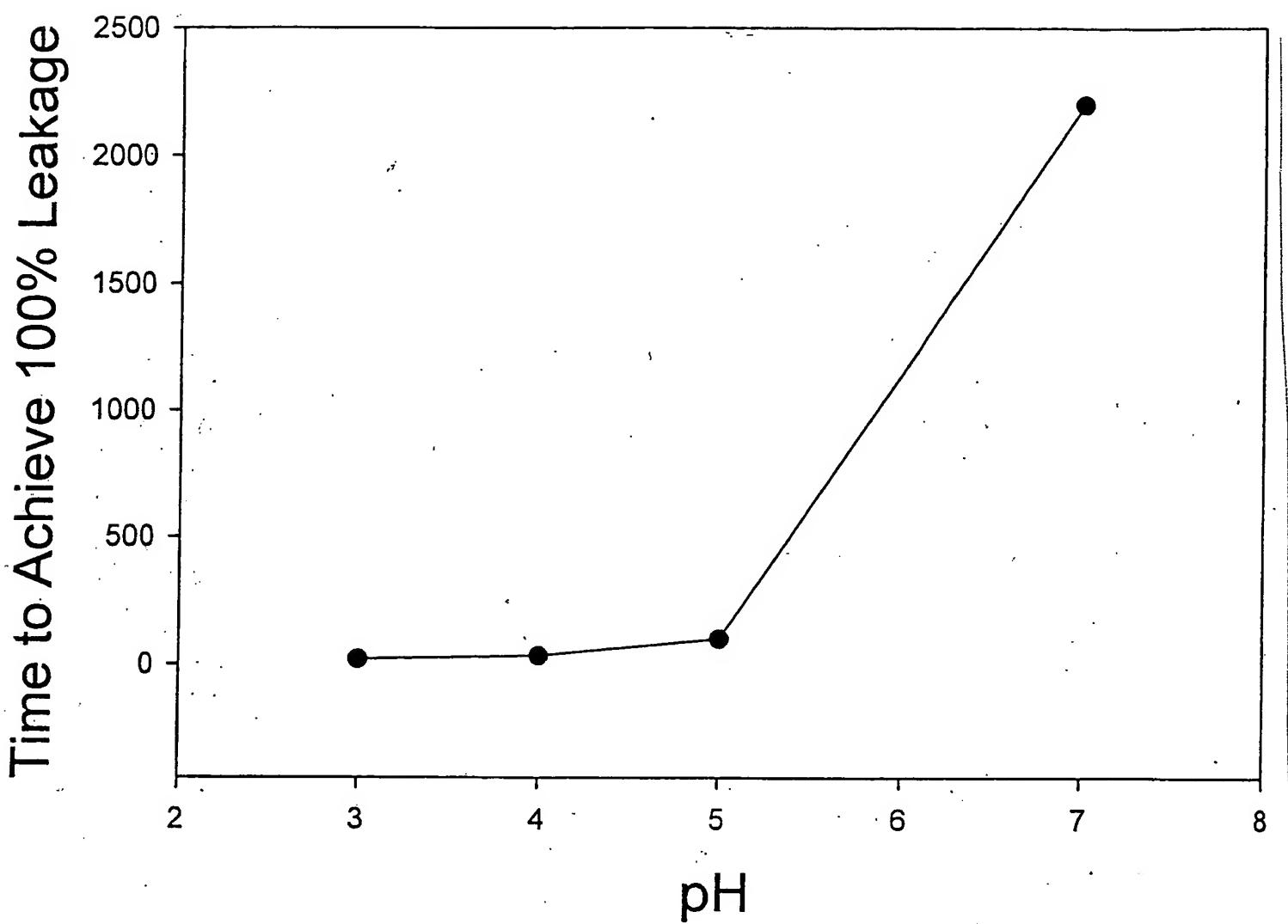
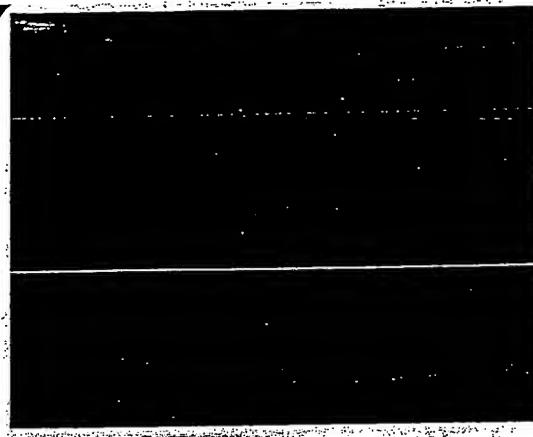
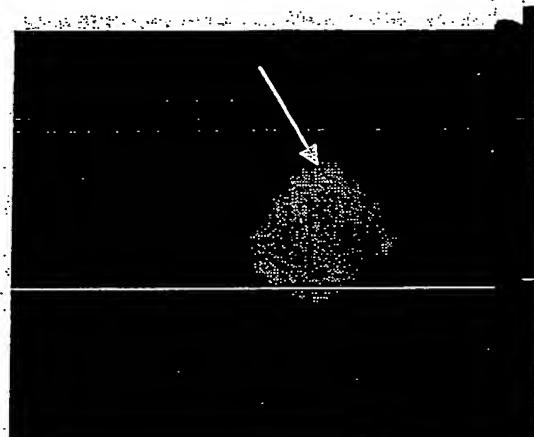


Figure 22



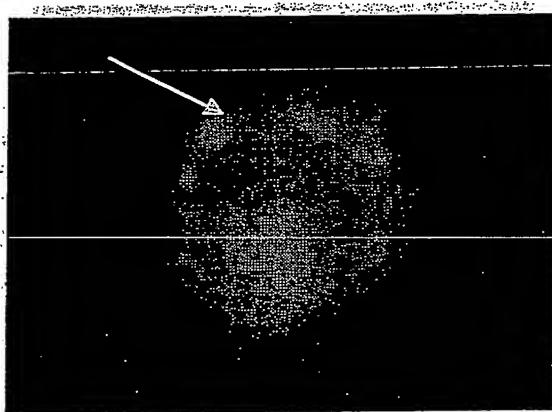
0 hrs (control)

Figure 23



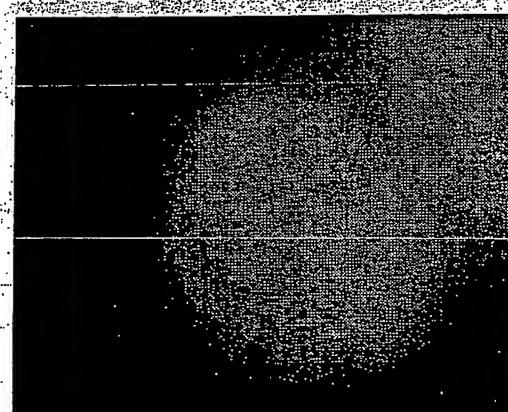
1 hr

Figure 24



3.5 hrs

Figure 25



5 hrs

Figure 26

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- Effect of temperature on uptake

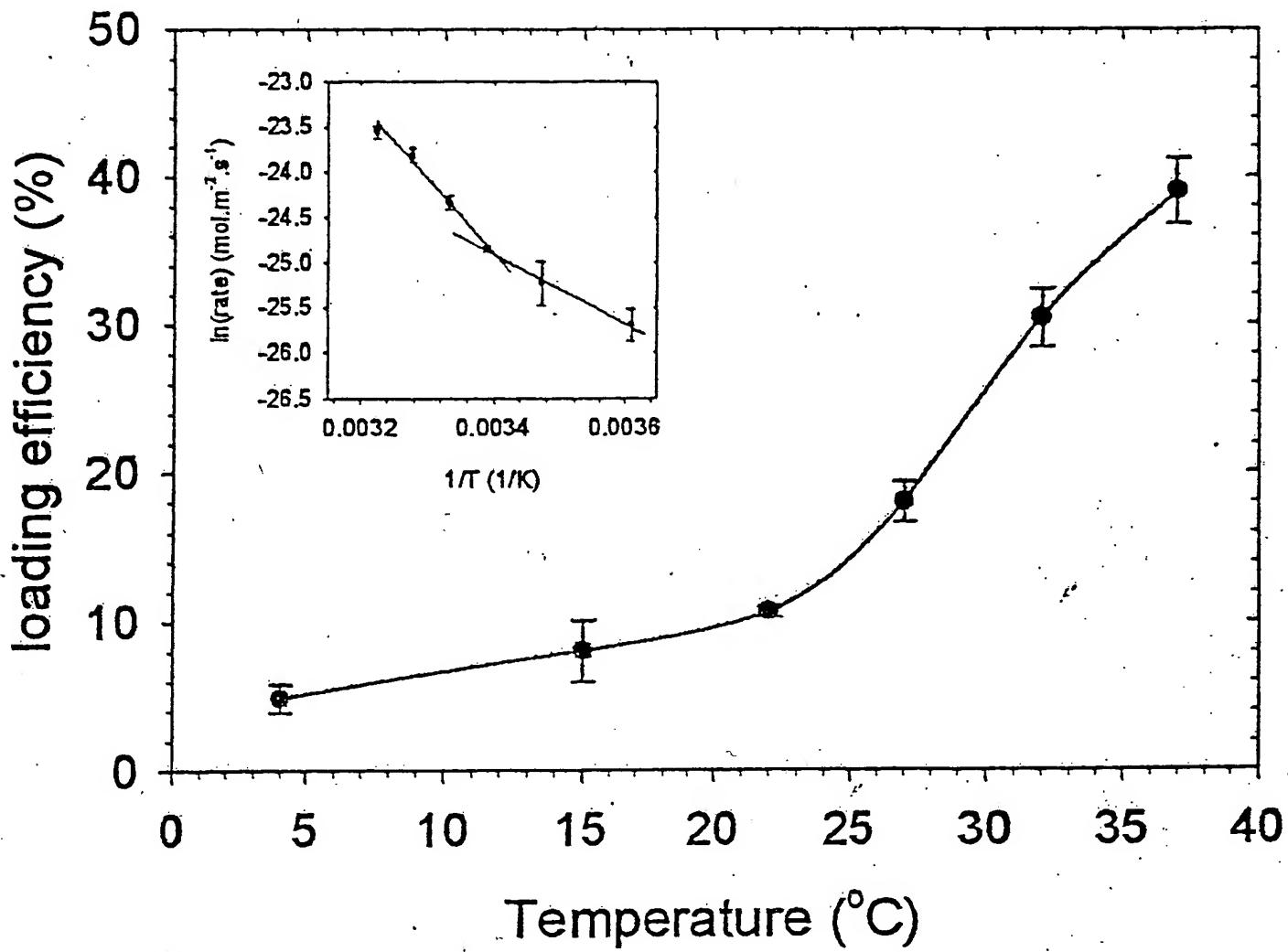
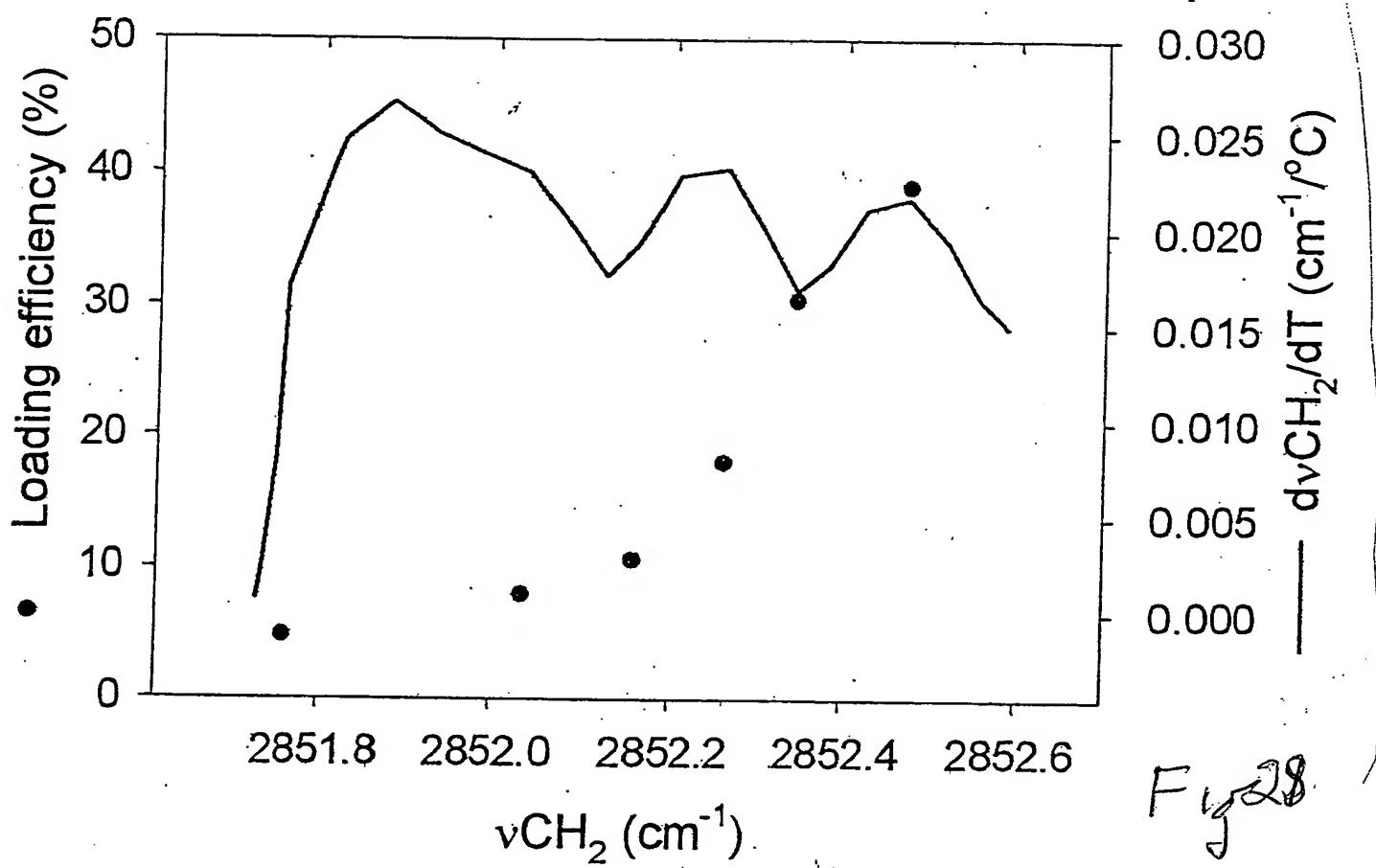


Fig 27

Correlation between membrane fluidity and trehalose uptake



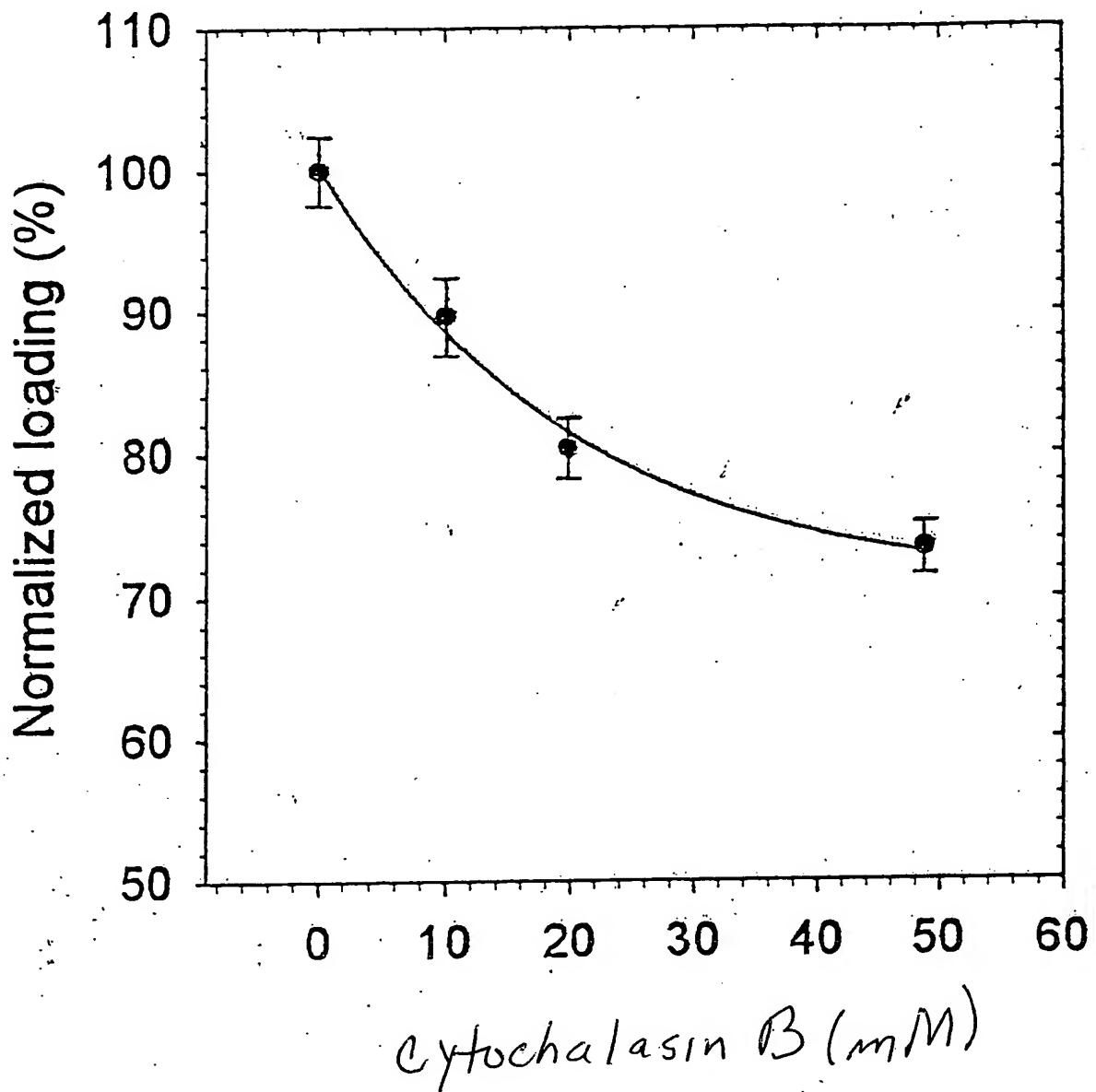


Fig 29

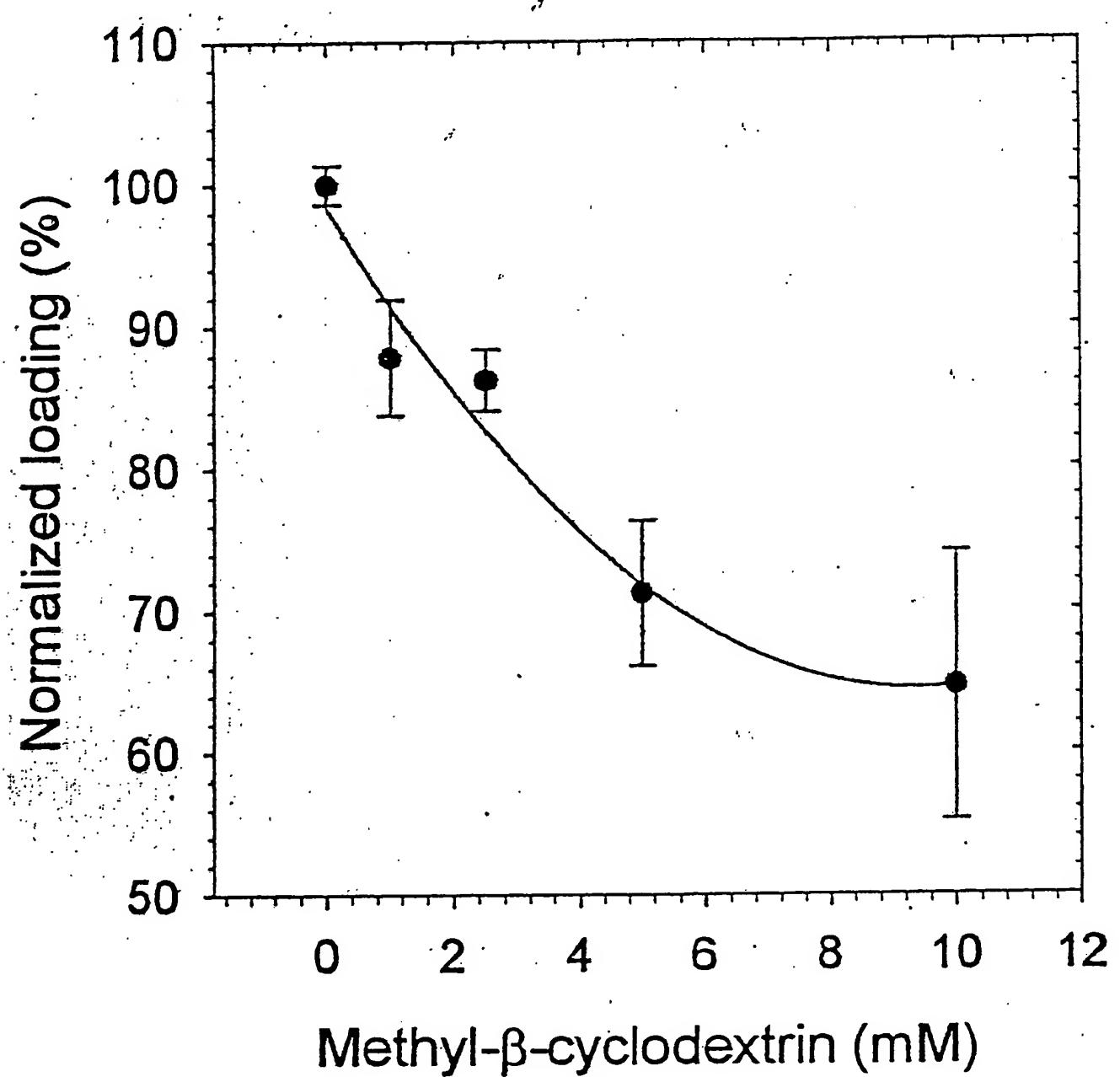


Fig 30